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(71) Applicant: TOSHIBA CORP

(72) Inventor: IIO HISATAKA
 NORO YASUHIRO

(54) CONTROL METHOD FOR CIRCUIT BREAKER

(57) Abstract:

PURPOSE: To control an overvoltage after opening a circuit breaker having a resistor by opening a main circuit breaker during accident of a missing phase of a power transmission line and by applying an accident current to the resistor connected in parallel to the circuit breaker.

CONSTITUTION: At the time of a missing phase of a power transmission line 1, main circuit breakers 2a and 2b are opened by a command signal for opening the breakers from protection relays 4a and 4b and a signal indicating the accident of a missing phase. The circuit

is applied to a resistor at the start of accident elimination and damping is applied, thereafter, an overvoltage is restricted by opening the circuit breakers 3a and 3b having resistors. In the cases other than the accident of a missing phase, the main circuit breakers 2a and 2b and the circuit breakers 3a and 3b having resistors arranged in parallel to the main circuit breakers 2a and 2b are opened at the same time. By doing this, the overvoltage after opening the circuit breakers 3a and 3b having resistors can be restricted.

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